

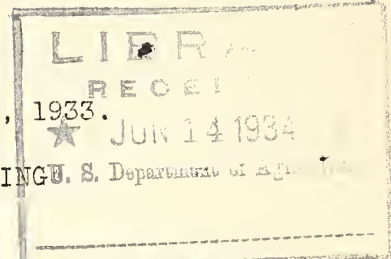
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UNITED STATES DEPARTMENT OF AGRICULTURE
WEATHER BUREAU

Office of the Chief

September 1, 1933.



SUPPLEMENT TO CIRCULAR, "INSTRUCTIONS FOR MAKING
FOUR-HOURLY REPORTS," JULY 15, 1933.

The following changes and additions to the Circular "Instructions for Making Four-Hourly Reports," dated July 15, 1933, will be effective on September 15, 1933, unless specifically authorized for a previous date:

1. Add the following to paragraph 8:

"Stations reporting temperature only, will do so by adding "LUB" to the words for zero or 100-degree temperatures, except in case the word ends in "L" when "UB" will be added. This method will also be used at stations which regularly report dew point depressions but which for any reason, such as breakage of thermometers, etc., are temporarily unable to do so. Thus "DAMPLUB" would indicate a temperature of 22 degrees and the depression not sent."

2. The last two sentences of Paragraph 23, are revoked and the following substituted therefor:

"Storms will be enciphered in accordance with instructions given in Paragraph 36 (f) and 36 (g) of the Circular as amended by this Supplement."

3. Paragraph 31 is hereby amended to include the following:

"(g) Whenever the movement of any clouds is observed to be unusually rapid and is not shown by surface conditions reported, this will be indicated by inserting the letter "R" immediately following the direction, or following the height of scattered clouds if that is given in accordance with paragraph 31 (f). If entered following the direction an oblique

will or will not be used, depending respectively upon whether the regular direction abbreviations or the direction arrows are used."

4. Paragraph 36 (e) is hereby amended to read:

"If the storm is observed in the distance and does not occur at the station, the direction from which it is moving will be indicated by adding, without space or oblique, a figure from the following:

- | | |
|--------------|--------------|
| 1. north | 5. south |
| 2. northeast | 6. southeast |
| 3. east | 7. west |
| 4. southeast | 8. northwest |
| 9. unknown | |

5. Paragraph 36 (f) is hereby cancelled and the following substituted therefor:

"(f) Any thunderstorm observed during any one four-hourly period will be reported in a separate group in the next four-hourly report, except that:

(aa) "Not more than one storm will be reported for any one hour.

(bb) "If storms are observed in the distance during an hour in which one occurs directly at the station, only the one occurring at the station will be reported for that hour.

(cc) "Any one storm will be reported only in the hour in which it is first observed, i. e., it will not be reported in more than one hour. If it is observed in the

distance and later occurs at the station, only its occurrence at the station will be reported, except in those cases in which it is necessary to report it in the distance in one four-hourly report and also in the next because of occurrence at the station after the first report is sent."

6. Paragraph 36 (g) is hereby amended to read:

"A thunderstorm will be considered to be occurring at the station or in the distance and reported accordingly, depending on whether or not it would be reported under "Weather" or under "Remarks" in a regular report as provided in Paragraph 21 (c) of Circular N, 1932."

7. Add the following to Paragraph 36:

"(h) Storms accompanied by markedly unfavorable conditions, such as severe turbulence, heavy rain or hail, or intense electrical display, will be indicated by the addition of a plus sign to the group."

8. Insert the word "from" between the words "movement" and "southeast" in the last line of paragraph 37.

Copies of this Supplement are being furnished direct to all first-order and airport stations, and to the Department of Commerce for distribution to stations manned by Commerce personnel. Distribution to airways stations and others interested should be made by the general supervising stations.

C. F. Marvin.
Chief of Bureau.

